CORELIUM (COR)
AI × DATA × BLOCKCHAIN

THE INTELLIGENT VALUE
LAYER FOR THE AI ECONOMY

CONTENTS

PROJECT OVERVIEW

MISSION

Corelium (COR) is committed to building the value layer protocol for the AI era. We believe the true potential of AI depends not only on algorithms but also on the fair distribution of data, computing power, and collaboration.

Corelium transforms AI training and data transactions into a transparent, accountable, and participatory blockchain ecosystem, empowering enterprises, developers, and individuals alike.

VISION

Ensuring AI's value belongs to its contributors, not monopolists.
In the future, anyone will be able to participate in the AI economy through Corelium tokens:
- Individuals can rent out idle computing power for income.
- Enterprises can securely trade datasets.
- Developers can upload AI models on-chain and earn ongoing royalties.

Communities can collectively govern the AI ecosystem and decide resource allocation.

The ultimate goal of Corelium is to become the "Ethereum" of AI and data economics — the next-generation intelligent value settlement layer.

CORE VALUES

- Decentralized Fairness: Breaking tech giants' monopoly over data and computing resources.
- Real Value Generation: Income comes from real AI data and compute transactions, not speculation.
- Cross-Industry Applications: Supporting diverse AI scenarios in healthcare, finance, manufacturing, and research.
- Technological Foresight: Leveraging Layer 2, privacy computing, and distributed computing networks to meet high-frequency AI demands.

INDUSTRY BACKGROUND & MARKET OPPORTUNITY

THE AI INDUSTRY BOOM

- The global AI market reached USD 1.6 trillion in 2024 and is projected to exceed USD 15 trillion by 2030.

- Applications such as GPT, generative AI, and medical imaging AI are driving unprecedented demand for computing power and data.

THREE STRUCTURAL PROBLEMS

- Computing Power Monopoly: A few tech giants (e.g., NVIDIA, Google Cloud, AWS) control over 80% of AI training compute, keeping costs extremely high.

- Data Silos: Enterprises and research institutions lack unified standards for sharing data, keeping information locked in closed systems.

- Opaque Model Value Distribution: AI developers cannot earn fair, ongoing returns from long-tail applications.

CORELIUM'S OPPORTUNITY

Corelium is not "just another cryptocurrency," but the infrastructure for the AI & data economy:

- Build a decentralized computing marketplace enabling global GPU/TPU resources to flow freely.

- Promote data assetization, making data traceable, tradable, and revenue-generating.

- Create an AI model staking platform, turning models into yield-generating assets.

- Use COR tokens as the unified settlement tool connecting compute, data, models, and governance.

MARKET CONCLUSION:

AI + Blockchain = the next multi-trillion-dollar infrastructure market.

Corelium will serve as the first-layer value protocol, establishing a truly decentralized economic engine for AI.
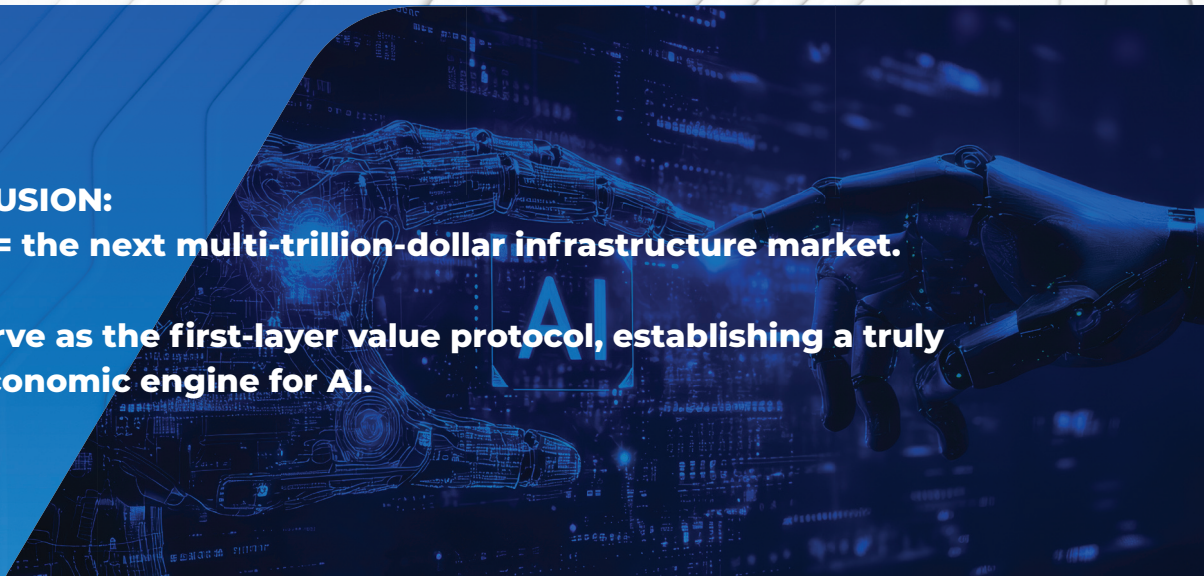
CORELIUM ECOSYSTEM OVERVIEW

Corelium is not just a token but a complete AI × Data × Blockchain ecosystem, built on three core modules:

CORELIUM COMPUTE (DECENTRALIZED COMPUTING MARKETPLACE)

Function: A decentralized GPU/TPU leasing platform

Participants:
- Compute providers (individuals, mining farms, data centers).
- Compute consumers (AI developers, enterprises, research institutions).

Payment Method: All compute rentals are paid in COR.

Advantages:
- Distributed architecture reduces costs by 30–50%.
- Smart contracts provide instant settlement.
- Compute contributors earn COR plus DAO governance rights.

CORELIUM DATA HUB (DATA ASSET MARKETPLACE)

Function: Standardize, tokenize, and trade data

Significance:
- Breaks down data silos.
- Allows data suppliers to earn ongoing revenue.
- Establishes a trusted data-sharing network.

Features:
- Supports medical, financial, IoT, and research datasets.
- NFT technology ensures data uniqueness and ownership rights.
- Transaction fees partially burn COR, creating a deflationary effect.

CORELIUM MODEL HUB (AI MODEL STAKING PLATFORM)

Function: On-chain AI models licensed via COR staking

Revenue Model:
- Developers earn COR via API calls.
- Users pay based on usage volume.
- DAO automatically allocates 10% of revenue to the Model Developer Fund

Summary:
Corelium's ecosystem is a triple marketplace for compute, data, and AI models, unified under COR token settlement to create a closed-loop economy.

TECHNICAL ARCHITECTURE

LAYER 2 AI PROTOCOL
- ZK-Rollup Technology: Batch processes transactions, reducing fees.
- High-Frequency Microtransactions: Handles over 50,000+ API calls per second.
- Privacy Protection: Zero-knowledge proofs safeguard data and model confidentiality.

DISTRIBUTED COMPUTE PROTOCOL (CORELIUM COMPUTE)
- Compute Nodes: Supports personal GPUs, cloud clusters, enterprise HPCs.
- Task Scheduling: AI algorithms automatically match compute resources.
- Revenue Settlement: Smart contracts execute instant payments with no intermediaries.

DATA ASSET STANDARDIZATION (DATA TOKENIZATION)
- Generates a unique NFT (Data-NFT) for each dataset.
- Records ownership, transaction history, and licensing terms.
- Supports on-chain licensing and royalty payments for long-term provider income.

SMART CONTRACTS & SECURITY
- Full Audits: Collaborates with CertiK, Quantstamp for security.
- Tamper-Proof: All transactions are recorded on-chain, immutable.
- DAO Governance: Community decides protocol upgrades and fee structures.

TECHNICAL VISION:
Corelium is not "an AI application," but the infrastructure layer for AI.

TOKENOMICS

Corelium (COR) is the core value carrier of the entire ecosystem, serving as payment, governance, staking, and a deflationary mechanism.

Token Name	Corelium
Ticker	COR
Total Supply	500 million
Network	Ethereum + L2
Consensus	PoS + DAO Governance

TOKEN UTILITY

Compute Payments:
Renting GPU/TPU requires COR.

Data Transactions:
Payment for datasets and AI model API calls.

Staking for Governance:
DAO voting requires COR staking.

Fee Burning:
1–2% COR burned per transaction.

Developer Rewards:
Model contributors receive COR revenue shares.

TOKEN ALLOCATION

CATEGORY	PERCENTAGE	DESCRIPTION
Public Sale	30%	Community participation, exchange offerings
Private Sale	20%	Early investors & strategic partners
Team	15%	4-year linear vesting
Ecosystem Fund	20%	Developer grants, compute subsidies
DAO Treasury	10%	Governance and long-term incentives
Liquidity Reserve	5%	Market liquidity & depth

DEFLATIONARY MECHANISM

- 1–2% of COR burned per transaction.
- 20% of platform revenue used for market buybacks.
- COR staked for model licensing is locked, reducing circulation.

KEY CONCLUSION:

Corelium's value is driven not by speculation but by real demand from the AI industry through tokenization.

REVENUE MODEL & VALUE CREATION

Corelium's value comes from real AI and data market demand, not speculation. The entire ecosystem adopts a use-and-burn model to generate sustainable cash flow and token scarcity.

COMPUTE MARKETPLACE REVENUE

1. Users (AI developers, enterprises) pay COR to rent computing resources.
2. Providers receive 80% revenue, 20% goes to DAO Treasury.
3. DAO Treasury partially uses funds for COR buybacks, supporting token value.

DATA MARKETPLACE REVENUE

1. All dataset trades require COR.
2. A 2% transaction fee applies:
- 50% burned.
- 50% to DAO Treasury for development & community incentives.

AI MODEL STAKING & API REVENUE

1. Models on-chain require COR staking for licensing.
2. API calls are paid in COR.
3. DAO allocates 10% of API revenue to the Developer Fund.
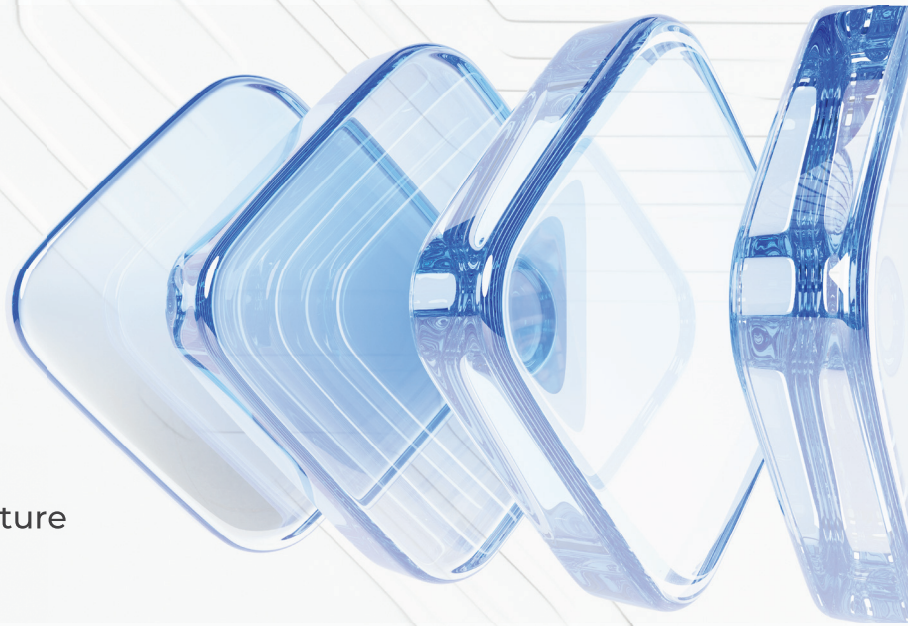
DAO GOVERNANCE & FUND FLOW

1. DAO decides fee rates, buyback plans, developer grants.
2. All fund flows are transparent via on-chain voting and contracts.

VALUE FORMULA:
More compute demand → more COR usage → more token burning → higher scarcity → token appreciation.

SOCIAL VALUE & USE CASES

Corelium is more than a blockchain project — it is AI industry infrastructure with real cross-sector applications.

ENTERPRISE APPLICATIONS

- Healthcare: Hospitals trade medical imaging datasets via Corelium Data Hub for AI diagnostics.
- Finance: Banks & quant firms use compute network for risk modeling.
- Manufacturing: Companies deploy predictive maintenance AI models to cut costs.

GOVERNMENT & RESEARCH INSTITUTIONS

- Public datasets shared via Data Hub under compliance.
- Supports academic AI research with verifiable data usage.

AI MODEL STAKING & API REVENUE

- Models on-chain require COR staking for licensing.
- API calls are paid in COR.
- DAO allocates 10% of API revenue to the Developer Fund.

DECENTRALIZED AI INFRASTRUCTURE

- Global decentralized compute, data, and model layers for AI.
- Replaces centralized cloud monopolies for open AI economy.

VALUE POSITIONING:

Corelium = AI's decentralized "AWS + Data Marketplace + App Store."

DAO GOVERNANCE & COMMUNITY

Corelium operates under a DAO model, giving all participants decision-making power over ecosystem development.

DAO STRUCTURE

Token Voting: COR holders vote on proposals.
Proposal Rights: Stakers of 10,000+ COR can submit proposals.
Delegated Governance: Voting power can be delegated to representatives.

DAO TREASURY FLOW

20% of platform revenue goes to DAO Treasury.

Uses include:
- COR buybacks.
- Developer grants.
- Marketing & community rewards.
- Compliance & audit funds.

COMMUNITY INCENTIVES

- Testnet participation rewards with COR airdrops.
- Open-source contributions rewarded with COR.
- Hackathons & AI competitions to attract developers.

GOVERNANCE VISION

DAO ensures Corelium is owned by the global community, not a single entity

ROADMAP

2025 Q4
- Publish Whitepaper V1.0.
- Launch testnet.
- Deploy initial compute nodes.
- Beta release of data marketplace.
- Release DAO governance draft.

2026 Q2
- Mainnet launch.
- Compute marketplace goes live.
- Launch tokenized data asset trading.
- Enable model onboarding & API calls.
- Partner with 10+ AI startups.

2027 Q2
- Hybrid compute with major cloud providers.
- Expand global data marketplace (healthcare, finance, manufacturing).
- Deploy privacy-preserving AI protocols.
- Launch AI Model NFT marketplace

2026 Q4
- DAO governance live.
- COR buyback mechanism active.
- Cross-chain support (Ethereum, Polygon, Solana).
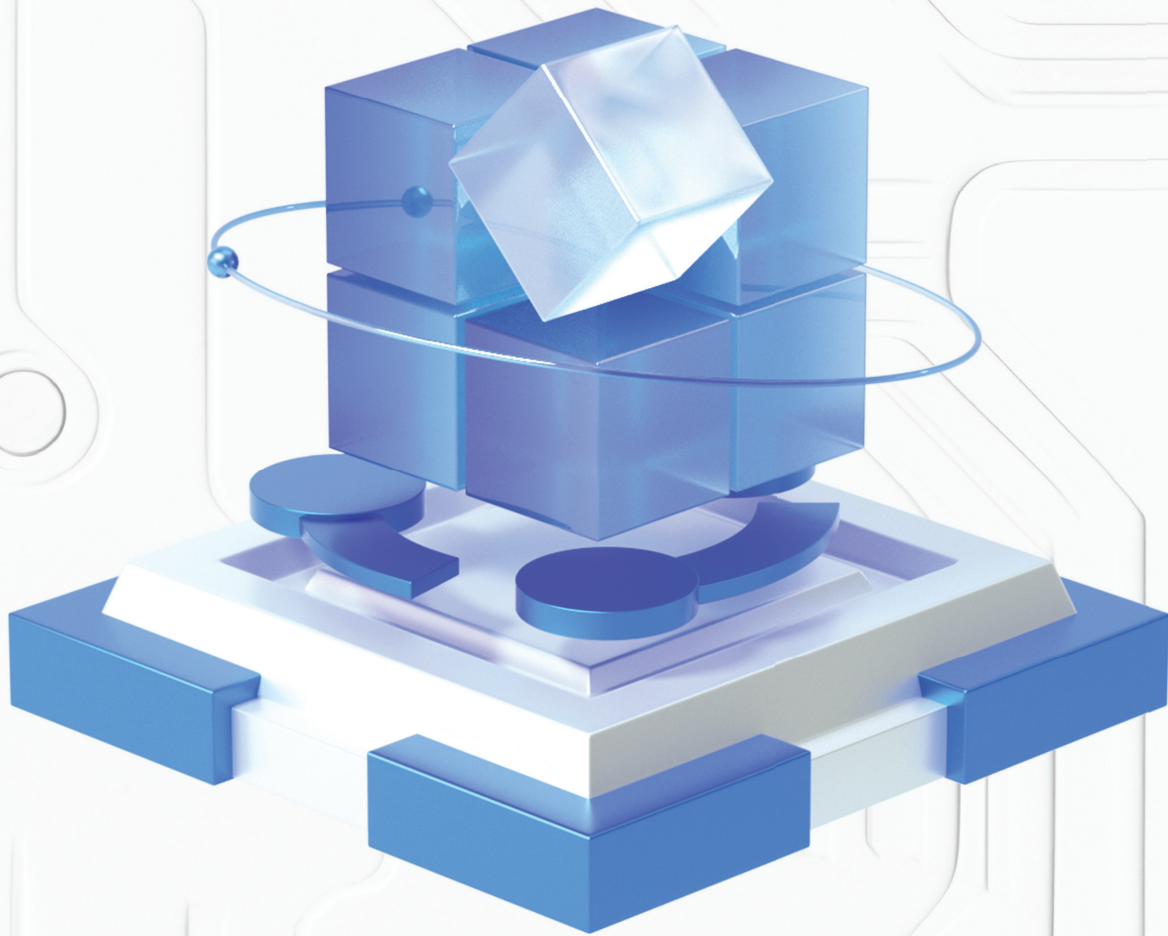- Launch AI Developer Grants Program.

2028+
- 1,000+ global compute nodes.
- Public data infrastructure partnerships with governments & research institutions.
- Become a decentralized AI supercomputing platform.

ULTIMATE GOAL:
Global settlement layer for AI & data economy.

PARTNERSHIPS

TECHNICAL PARTNERS
- Compute suppliers: Akash, Render Network.
- L2 partners: ZK-Rollup solutions (StarkNet, zkSync).
- AI frameworks: TensorFlow, PyTorch, JAX.

ACADEMIC & RESEARCH PARTNERS
- AI Labs at leading universities.
- Corelium Research Fund to support decentralized AI R&D.

PRINCIPLE
Open protocol where every participant is an AI economy builder.

INDUSTRY PARTNERS
- Healthcare: Medical AI firms for imaging dataset exchange.
- Finance: Quant trading firms for high-frequency compute.
- Manufacturing: AI-optimized smart factory platforms

ECOSYSTEM GROWTH PLANS
- Developer Grants.
- Community Node Program.
- Strategic AI/data industry alliances.

LEGAL & COMPLIANCE

LEGAL FRAMEWORK
1. Registered in Singapore (Web3-friendly jurisdiction).
2. Annual DAO treasury audit by Big Four firms.
3. Global blockchain legal advisors for compliance.

REGULATORY STRATEGY
1. KYC/AML: FATF-compliant user verification.
2. Data Compliance: GDPR, CCPA adherence.
3. Token Sale Compliance: SEC & MAS guidelines.

SECURITY AUDITS
1. Smart contract audits by CertiK, Quantstamp.
2. Multi-signature governance for DAO contracts.
3. Ongoing bug bounty programs.

Conclusion:
Corelium is both technically innovative and regulation-ready.

RISKS & CHALLENGES

TECHNICAL RISKS

- Scalability issues with large AI workloads.
- Reliability of distributed compute nodes.
- Integration complexity of privacy AI & cross-chain tech.

MARKET RISKS

- Intense competition in decentralized compute/data sectors.
- AI investment cycles may fluctuate.
- Adoption rate of decentralized AI solutions uncertain.

LEGAL & COMPLIANCE RISKS

- Varying regulations for crypto & AI data.
- High cost of cross-border compliance.

GOVERNANCE & COMMUNITY RISKS

- DAO decision-making speed.
- Community participation levels.

MITIGATION:

Risk committee, tiered governance, continuous security & compliance investment

CORE TEAM

CEO – ETHAN CALDWELL
ex-Google Cloud AI Director, MIT CS MSc, 15 years AI/distributed systems.

CTO – DR. LIN MEI
ex-NVIDIA HPC Architect, Stanford CS PhD

CHIEF ECONOMIST – SOFIA MARTINEZ
ex-World Bank data economy expert, LSE PhD

CHIEF COMPLIANCE OFFICER – MICHAEL TAN
ex-PwC blockchain compliance, GDPR/KYC/AML specialist.

ADVISORS
Prof. Daniel Kim (AI privacy), Laura Chen (ex-ConsenSys), Rajesh Patel (ex-AWS).

STRENGTH:
Tech × Economics × Regulation synergy.

TOKEN ALLOCATION

TOKEN ALLOCATION

CATEGORY	PERCENTAGE	VESTING
Public Sale	30%	FULLY LIQUID AT LAUNCH
Private Sale	20%	12-MONTH LOCK, THEN 12-MONTH LINEAR
Team	15%	12-MONTH LOCK, THEN 36-MONTH LINEAR
Ecosystem Fund	20%	GRANTS & SUBSIDIES
DAO Treasury	10%	DAO-VOTED ALLOCATION
Liquidity Reserve	5%	MARKET-MAKING & LIQUIDITY

VALUE SUPPORT:

- Buyback & burn (20% revenue).
- Mandatory COR usage in compute/data trades.
- DAO staking locks tokens.

COMPETITIVE ANALYSIS
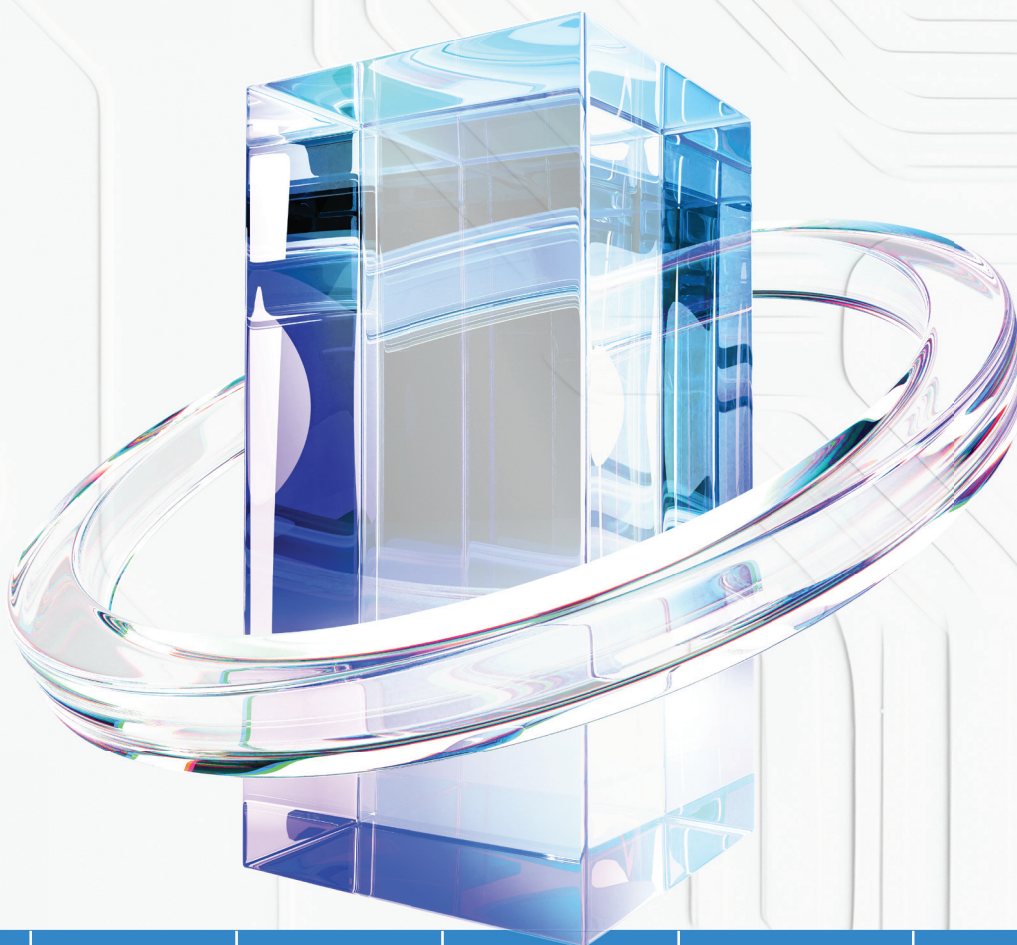
PROJECT	FOCUS	TECH	GOVERNANCE	TOKEN USE	DIFFERENTIATOR
RENDER NETWORK	COMPUTE	GPU LEASE	SEMI-CENTRAL	COMPUTE PAYMENT	IMAGE RENDERING ONLY
OCEAN PROTOCOL	DATA TRADING	L1	DAO	DATA TRADE FEE	NO COMPUTE INTEGRATION
FETCH.AI	AI AGENTS	CUSTOM L	DAO	AGENT PAYMENTS	NO DATA ASSET STANDARD
CORELIUM	AI INFRA	L2	DAO	COMPUTE + DATA + MODELS	TRIPLE CLOSED-LOOP

CONCLUSION: CORELIUM INTEGRATES AND SURPASSES EXISTING PROJECTS.

EXPANSION PLANS

Short-Term (2025–2026)
- Mainnet, compute/data markets live.
- 50+ global compute nodes.
- 10+ AI startup partnerships.
- Developer grants program.

Mid-Term (2027–2028)
- Privacy-preserving AI protocol.
- AI Model NFT marketplace.
- 500+ global compute nodes.
- Enterprise adoption in healthcare, finance, manufacturing.

Long-Term (2029+)
- Cross-chain AI training protocol.
- Global AI/data economy standardization.
- Public AI infrastructure alliance.
- Fully decentralized AI economy governance

CONCLUSION

Corelium breaks AI monopolies by redefining value distribution of compute, data, and models.

FOR INVESTORS
COR is an AI economy base asset with long-term potential.

FOR DEVELOPERS
A decentralized AI app/data store for monetization.

FOR ENTERPRISES & COMMUNITIES
A secure, compliant AI infrastructure.

APPENDIX

FAQ

Token Use: Compute payments, data transactions, model staking, DAO governance.

DAO Participation: Stake COR for voting & proposal rights.

Deflationary Mechanism: 1–2% COR burned per transaction.

Compliance: Adheres to KYC/AML, GDPR, CCPA, and crypto regulations.

REFERENCES

Gartner "AI Market Forecast 2024–2030"

Statista "Global GPU Market Report 2025"

FATF "Crypto Asset Guidelines 2024"

Corelium Technical Whitepaper (internal test docs)

THANKS FOR WATCHING!